Modified Estimate

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BRUHAT BANGALORE MAHANAGAR PALIKE

GENERAL REPORT

Name of the Work: Improvements to Drains and Footpath in Devinagar near RMV Apartment in Kodigehalli in ward 8

Reference: Proceedings of the Major Works Committee Meeting dated 07.04.2011 Sub No: 04/2011-12

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With reference to the above subject the Major Works Committee has proposed to improve the drains & Footpaths in the Arterial & Sub Arterial Roads in the jurisdiction of Ward No 8 Kodigehalli, as there are no footpath and covering slab causing inconvenience to pedestrians.

Due to the inconvenience caused to the pedestrians an estimate is prepared for Improvements to Drains & Footpaths in Devinagar for **Rs.17.3 Lakhs.**

The detailed cost estimates and drawings was prepared based on the current Schedule of Rates incorporating the following for **Rs. 17.3 Lakhs.**

1. EarthWork Excavation
2. Providing and Constructing granite/trap/basalt size stone masonry.
3. Providing Flush Pointing to Stone Slab
4. Providing granite slabs of selected quality roughly dressed.
5. Providing two line dressing to granite stone slab
6. Providing and Constructing Precast Concrete Solid Blocks.
7. Providing PCC 1:2:4
8. Providing and fixing pre cast solid cement concrete kerb stones
9. The Lead for disposal of silt is considered for 20 Kms & carriage of mixed materials considered upto 20kms.

Hence, it is kindly requested to accord Technical Sanction to the above estimate prepared based on **CSR of 2010-11** amounting to **Rs. 17.3 Lakhs**.

Regarding the Road history , Ward No. 8 Kodigehalli was coming under Byatarayanapura Municipal Corporation .Recently it was included under BBMP Limits.Hence there is no Road History available for these Roads.After Improving these drains and footpaths ,Road History will be maintained.

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Modified Estimate

Name of Work : ***Imrovements to Drains and Footpath around Tdevinagar near RMV Apartment in Kodigehalli in ward No. 8 Kodigehalli sub division***

Detailed Estimate for Proposed Improvements to Devinagar

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
					Est. Cost.			17.30 Lakhs	
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. (P5/2.1)	Cum							
	for Removing of silt in Existing drain		1	300.00	0.45	0.20	27.00		
	Hennur Village						**27.00**	**108.00**	**2916.00**
	Basic Rate	100.00							
	Area Weightage @ 8%	8.00							
	Total	108.00							
2	KSRB 2-1.1 : Earthwork excavation by manual means in Ordinary Soil involving an average horizontal throw upto 2 meters and an average lift upti 0.5 m excavated surface levelled and sides neatly after breaking of clods complete as per specifications with all leads and labour and conveying the earth to 15 km loading and unloading charges (Page No. 126 & Item No. 19.1)	Cum							
	for Foot path		1	300.00	2.00	0.15	90.00		
	Devinagar						**90.00**	**56.16**	**5054.00**
	Basic Rate	52.00							
	Area Weightage @ 8%	4.16							
	Total	56.16							
3	KSRB 5-2.3: Providing and constructing granite/trap/baslt size stone masonry in foundation with cement mortar 1:6 stone hammerd dressed in courses not less than 20cms high.bond stones at two m apartt course including cost of materials labour curing complete as per specification (page. 22 I.No. 5.63)	Cum							
	for Foot path		1	300	0.45	0.23	31.05		
	Devinagar						31.05	**2596.32**	**80616.00**
	Basic Rate	2348.00							
	Add Difference cost of cement 1.4x40	56.00							
	Total	2404.00							
	Area Weightage @ 8%	192.32							
	Total	2596.32							

4	kSRB 5-15: Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 (jamb,closer blocks)with blocks of size 40x10x20 cms (Lxbxh) conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications (p. 24, I.No. 5.27)	Sqm							
	Devinagar								
	for Foot path		1	300.00		0.20	60.00	458.22	27493.00
	Basic Rate	421.00							
	Add Difference cost of cement 0.082x40	3.28							
	Total	424.28							
	Area Weightage @ 8%	33.94							
	Total	458.22							
5	KSRB 15.1.3 : Providing flush pointing to coursed stone masonry with cement mortar 1:3, 20mm deep after raking joints to depth of 20mm, nicely lining, including cost of materials, labour curing complete as per specifications (P. 97. I.No. 15.3.)	Sqm							
	Devinagar								
	for Foot path		2	300.00		0.20	120.00		
							120.00	67.39	8087.00
	Basic Rate	61.60							
	Add Difference cost of cement 0.02x40	0.80							
	Total	62.40							
	Area Weightage @ 8%	4.992							
	Total	67.39							
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not excedding 15cms. Thick well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification.(P12/I.No. 4.6)	Cum							
	Devinagar		1	300.00	0.20	0.10	6		
	for Foot path		1	300.00	0.45	0.10	13.50		
							19.5	4664.52	90958.00
	Basic Rate	4063.00							
	Add Diffrence in cost of cement 6.40x40.00=	256.00							
		4319.00							
	Area Weightage @8%	345.52							
	Total	4664.52							

7	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive stength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin,jamb,closer blocks)with solid concrete blocks of size 40x20x20cms conforming to I.S 2185/1965 in superstrucure including cost of materials, labour charges,scaffolding curing complete as per specifications (Page-24 I.No. 5.27)	Sqm							
	Devinagar								
	for Tree guard		7	6.00		0.20	8.40		
	For Shoulder Drain		15	2.00		0.20	6.00		
							14.40	**639.36**	**9207.00**
	Basic Rate	586.00							
	Add Difference cost of cement 0.15x40	6.00							
	Total	592.00							
	Area Weightage @ 8%	47.36							
	Total	639.36							
8	KSRB 4-1.6: Providing and laying in position plain cement concrete of nominal mix 1:2:4 using 20mm and down size graded granite metal, machine mixed, concrete laid in layers not excedding 15cms. Thick well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification.(P12/I.No. 4.5)	Cum							
	Devinagar								
	For Shoulder drain bed								
	Side Walls		15	2.00	0.60	0.10	**1.80**	**4664.52**	**8396.00**
	Basic Rate	4063.00							
	Add Diffrence in cost of cement 6.40x40.00=	256.00							
		4319.00							
	Area Weightage @8%	345.52							
	Total	4664.52							
9	Providing and fixing MS square Jally 9"x9" (grating) for shoulder drains fixing with cement mortar including cost of all materials, lanour curing complete as per specifications and as directed by the Engineer in charge. (P.No. 32)	No.							
	Devinagar								
	For Shoulder drain gratings		1	15			**15.00**	**123.12**	**1847.00**
	Basic Rate	114.00							
	Area Weightage @8%	9.12							
	Total	123.12							

10	KSRB 2-6:KSEB 2.5: Earthwork in excavation (in deposited soil) and filling sides of foundation upto plinth in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications. specifications No. KBS 2.9.9/2.9.10.1/2.1 (page: 6, I.No. 2.12)	cum							
	For Foot path		1	300.00	2.00	0.20	120	174.96	20995.00
	Devinagar								
	Basic Rate	162.00							
	Area Weightage @8%	12.96							
	Total	174.96							
11	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10cms thick (Page No. 24& Item No. 5.31.2)	Sqm							
	Devinagar		1	300	3.3		990.00		
	Basic Rate	413.00					990.00	453.17	448636.00
	Add Difference cost of cement 0.165x40	6.60							
	Total	419.60							
	Area Weightage @ 8%	33.57							
	Total	453.17							
12	Providing two line dressing to granite stone slab/granite stone masonry as per specification (P.23, I No. 5.18)	Sqm							
	Devinagar		1	300	3.3		990.00	626.40	620136.00
	580 - 40 = 167 1336 180 38 Basic Rate	580.00							
	Area Weightage @8%	46.40							
	Total	626.40							
13	Providing machine cutting granite stone slab edges as per direction of engineer in charge (Approved Rate)	Rmt							
	For slab Edges								
	Devinagar		500		7.80		3900	55.00	214500.00
14	Providing and fixing pre cast solid cement concrete kerb stones made out of C C 1:2:4 with top and bottom width 114 and 165mm resepctively, 400mm high and 450 mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing including cost of all materials labour hire charges of machinery loading, un loading lead and lift trasportation etc. complete (p.24 I no. 5.30)	No							
	Devinagar		1	300	0.45		666.67	228.31	152208.00
	Basic Rate	205.00							
	Add Diffrence in cost of cement (6.4x0.025)x40.00=	6.40							
	1 Kerb Stone=0.025cum								

		211.40							
	Area Weightage @8%	16.91							
	Total	228.31							
15	KSRRB 800.1: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plasterd concrete surfaces with materials labour complete as per specifications. Specification No KRBS 800.3 MORT & H Specification No. 800 (Page 166, I.No. 24.1)	Sqm							
	For Kerb Painting		1	300	0.45		135.00	45.90	6197.00
	Devinagar								
	Basic Rate	42.50							
	Area Weightage @8%	3.40							
	Total	45.90							
16	KSRRB M100-4.2./ Haulage of materials by tipper including cost of loading, unloading and stacking Complete as per specifications. MORTH chapete 1 case-1: Surface Road (P. 118, I. No. 17.1 & 17.4)	cum							
	Qnty same as item No. 1+2						117.00	123.34	14431.00
	Basic Rate	114.20							
	Area Weightage @8%	9.14							
	Total	123.34							
									18323.00
17	Miscellaneous & Unforeseen Charges							TOTAL	1730000.00
	(Rupees. Seventeen Lakhs Thirty Thousand Only)								

Not to be get approval by the competent Authority

63.20

CERTIFICATE

1 Certified that I have personally inspected the Area, Roads & Prepared the Estimate.
2 Certified that the work proposed in this estimate is not including in any other scheme.
3 Certified that the estimate is prepared as per 2010-11 SR of PWD.

Junior / Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

"Mod. Estimate Approved
03/01/12"